

XI102XE Product Specifications

(Standard V1.0)

Product Feature

- Simultaneously capture one High-Definition video signal, two Standard-Definition video signals, and one stereo analog audio signal.
- HD input signal can reach 1080p/60 Hz.
- HD signal can capture DVI, VGA, HDMI, YPbPr, CVBS.
- Capture LPCM audio signal from HDMI.
- Microsoft AVStream standard driver, support most multi-media video software or stream media software.
- Smallest size: 102.5mm x 84mm.

Please note:

Because of copyright protection, you cannot use the product for capturing HD signal which blu-ray player outputs.

Advanced Feature

- DMA transmission with high performance.
- HD input can switch signal dynamically, signals include DVI/HDMI, VGA, and component.
- HD input can be compatible with CVBS.
- HD input supports automatic detection of input video format, automatic detection of the effective area of video, automatic phase adjustment of capturing VGA.

- HD input supports setting effective image area manually, it can be used for image flipping and supporting for the timing of special input signal.
- HD input supports for multi-stage image zoom and provides with three scales for image aspect ratio.
- De-interlace supports Vertical Blend and Motion Adaptive.
- Hardware color conversion, it can output RGB24 , RGB32 , YUY2 , UYVY , I420.
- HD input supports color adjustment, it can adjust image brightness, contrast, hue, saturation, Gamma; also R, G, B brightness and contrast can be adjusted separately.
- HD input supports image vertical flip and mirror.
- The firmware can upgrade.

Product Specifications

Board Size	102.5mm x 84mm
Host Interface	PCI-Express x1, Low Profile, 200MB/s transmission bandwidth
Input Interface	1 DVI-I interface(HDMI , VGA , YPbPr) 2 BNC interface(2 CVBS) 1 3.5mm audio interface(1 unbalanced stereo audio line in)
Maximum Sampling Rate	CVBS : 54MHz (4x Oversampling) RGB/ YPbPr: 170MHz HDMI/DVI: 225MHz
Onboard Memory	128MB DDR2, 160 MHz of working frequency, 32bit of bit wide

VGA Input Format	640x400-2048x1536, pixel rate is under 170MHz
YPbPr Input Format	480i、 576i、 480p , 576p , 720p , 1080i , 1080p
DVI Input Format	Up to DVI 1.0 standard, single continuity
HDMI Input Format	Up to HDMI 1.3 standard, support 36bit DeepColor
CVBS Input Standard	PAL/NTSC
HD Output Image Format	Size: 40x30-2048x1536, frame rate: 1-100 fps, color: YUY2, UYVY, RGB24, RGB32, I420
Operating System Support	Support following operating systems (x 86 version or x64 version) : Windows® XP Professional Windows® Server 2003 Windows Vista®, Windows® Server 2008 Windows® 7 Windows® Server 2008 R2
Power Consumption	<= 8W
Operating Temperature	0 to 50 deg C
Storage Temperature	-20 to 70 deg C
Relative Humidity	5% to 90%

Please note:

1. PCI-Express actual transmission bandwidth relates with the host chipsets and motherboard, it may be lower than written value here.
2. The actual output frame rate is limited by PCI-Express interface bandwidth, it may be less than setting value.